

DERWENT-ACC-NO: 1990-261596

DERWENT-WEEK: 199301

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TITLE: **Coating** substrate with microcapsules
contg. volatile substance, using intermediate lacquer
layer

INVENTOR: GREIL G; GREIN G ; LESSINGER H ; LESSINGER H P

PATENT-ASSIGNEE: WANFRIED DRUCK KALDEN GMBH[WANFN] ,
WANFRIED-DRUCK KALD[WANFN]

PRIORITY-DATA: 1989DE-3904311 (February 14, 1989) , 1990EP-
115188 (August 7,
1990) , 1990DE-500490 (August 7, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	
DE 3904311 A	August 23, 1990	DE
EP 473798 A	March 11, 1992	EN
EP 473798 B1	November 19, 1992	DE
DE 59000490 G	December 24, 1992	DE

DESIGNATED-STATES: AT BE CH DE DK ES FR GB GR IT LI LU NL
SE AT BE CH DE DK ES
FR GB GR IT LI LU NL SE

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
DE 3904311A	N/A	1989DE-
3904311	February 14, 1989	
DE 59000490G	N/A	1990DE-500490
August 7, 1990		
EP 473798A	N/A	1990EP-115188
August 7, 1990		
EP 473798B1	N/A	1990EP-115188
August 7, 1990		

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	A45D34/00	20060101
CIPS	B01J13/02	20060101
CIPS	B41M1/02	20060101
CIPS	B41M1/12	20060101
CIPS	B41M3/00	20060101
CIPS	B41M5/124	20060101
CIPS	B41M7/02	20060101

ABSTRACTED-PUB-NO: DE 3904311 A

BASIC-ABSTRACT:

Microcapsules filled with volatile substances are applied to a substrate by (a) **coating** the offset- or screen-printed substrate with a quick-drying dispersion lacquer, (b) applying a mixt. of the microcapsules and a binder onto the lacquerr layer by printing, spraying or dipping, (c) drying the prod., and (d) cutting or stamping the prod. to obtain the desired format.

Pref. the substrate comprises a polymer **film** or non-absorbent paper or board. The lacquer is a water-dilutable clear lacquerr that forms abrasion-resistant **coatings**. The capsules may contain perfumes, plant extracts, essential **oils or** **volatile** animal prods., **encapsulated** in a polymer **film**. The capsule size is 10-100 (30-60) microns.

USE - The process may be used in the mfr. of cosmetic or pharmaceutical prods., promotional articles or samples, e.g. of perfumes. @ (3pp Dwg.No.0/0)

TITLE-TERMS: **COATING** SUBSTRATE MICROCAPSULE CONTAIN VOLATILE SUBSTANCE
INTERMEDIATE LACQUER LAYER

DERWENT-CLASS: B07 D21 G02 P75

CPI-CODES: B04-C02D; B04-C03; B04-D02; B12-M11E; D08-B; D10-A05; G02-A05;

CHEMICAL-CODES:

Chemical Indexing M1 *02*

Fragmentation Code

M423 M781 Q253 Q337 V400 V406 V600 V644 V645 V780

Registry Numbers

129550 129857 129881 130333 130346 131376 131677 132219
132355 132774

132833 133469 133717 134110 134917 95764

Chemical Indexing M6 *01*

Fragmentation Code

Q253 Q337 R033 R307 R522 R529

Registry Numbers

129550 129857 129881 130333 130346 131376 131677 132219
132355 132774

132833 133469 133717 134110 134917 95764

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: 1990-113260

Non-CPI Secondary Accession Numbers: 1990-202671